^D	
 u	
U.S	
960	

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

1	UTILITY (T)
PA1	TENT APPLICATION
	TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

ttorney Docket No.	2781.100

First Named Inventor or Application Identifier

DeWitt C. Seward, IV

Express Mail Label No.

EL 762237920 US

Tit	le	of
Inve	nt	ion

MULTI-FEED MICROWAVE REFLECTIVE RESONANT SENSORS

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: Box Partent Application Washington, D.C. 20231 6. [] Microfiche Computer Program (Appendix) (Sibmit an original, and a duplicate for fee processing) 2. [X] Specification [Total Pages 17]	Ξ.	1111	Cittion										
Submit an original, and a duplicate for fee processing)	_	See MP					ts.	ΑD	DR	ESS TO	: Box Paten	t Application	on
2. [X] Specification [Total Pages 17] (preferred arrangement set forth below) - Descriptive title of the invention - Cross References to Related Applications - Statement Regarding Fed sponsered R & D - Reference to microfiche Appendix - Background of the Invention - Summary of the Invention - Brief Description of the Drawings - Detailed Description - Claim(s) - Claim(s) - Detailed Description - Claim(s) - Abstract of the Dirasings - Detailed Description - Claim(s) - Abstract of the Dirasings - Detailed Description - Claim(s) - Abstract of the Dirasings - Detailed Description - Claim(s) - Abstract of the Dirasings - Detailed Description - Claim(s) - Abstract of the Dirasings - Detailed Description - Claim(s) - Abstract of the Dirasings - Detailed Description - Claim(s) - Abstract of the Dirasings - Detailed Description - Claim(s) - Abstract of the Dirasings - Detailed Description - Claim(s) - Abstract of the Dirasings - Detailed Description - Claim(s) - Abstract of the Dirasings - Detailed Description - Claim(s) - Abstract of the Dirasings - Detailed Description - Detailed Desc		1. []			e for fe	e processina)	-	6.	[]	Microfic	he Computer Pr	ogram (App	endix)
- Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to microfiche Appendix - Background of the Invention - Summary of the Invention - Brief Description of the Drawings - Detailed Description - Claim(s) - Clai		2. [X]	Specificat (preferred	tion [To	otal P	-		7.	[]				ence Submission
- Statement Regarding Fed sponsored R & D - Reference to microfiche Appendix - Background of the Invention - Summary of the Invention - Brief Description of the Drawings - Detailed Description - Claim(s) - Claim(s) - Abstract of the Disclosure - Abstract of the Disclosure - Abstract of the Disclosure - Claim(s) - Abstract of the Disclosure - Abstract of the Disclosure - Acton, Massachusetts - Information Disclosure (Information Evaluation of Corp. Acton, Massachusetts - Information Disclosure (Information Evaluation of Corp. Acton, Massachusetts - Information Disclosure (Information Evaluation of Corp. Acton, Massachusetts - Information Disclosure (Information Evaluation of Corp. Acton, Massachusetts - Information Disclosure (Information Evaluation of Corp. Acton, Massachusetts - Information Disclosure (Information Evaluation of Corp. Acton, Mas		i				antiona				a. []	Computer Rea	dable Copy	
- Reference to microfiche Appendix - Background of the Invention - Summary of the Invention - Brief Description of the Drawings - Detailed Description - Claim(s) - Claim(s) - Abstract of the Disclosure - Abstract of the Disclosure - Claim(s) - Cla										b. []	Paper Copy (i	dentical to c	computer copy)
- Background of the Invention - Summary of the Invention - Brief Description of the Drawings - Detailed Description - Claim(s) - Abstract of the Disclosure - Acton, Massachusetts - Information Disclosure - In			- Refere	nce to microfiche App	endix						[] Pages		
Brief Description of the Drawings Detailed Description Claim(s) Abstract of the Disclosure Abstract of the Disclosure [3] [X] Drawing(s) (35 U.S.C. 113) [Total Sheets 10] [Bormal [X] Informal [X] Fig. of the Drawings for Publication [1] [4] [Joann or Declaration/POA [Total Pages []] [Joan of the Drawings for Publication of Total Pages []] [5] [Joan or Declaration/POA [Total Pages []] [Joan of the Drawings for Publication of Total Pages []] [6] [Joan or Declaration/POA [Total Pages []] [Joan of the Drawings for Publication of Total Pages []] [7] [Joan of the Drawings for Publication of Total Pages []] [Joan of Declaration/POA [Total Pages []]] [8] [Joan of Declaration/POA [Total Pages []]] [9] [Joan of Declaration/POA [Total Pages []]] [10] [Joan of Declaration/POA [Total Pages []]] [11] [Joan of Declaration/POA [Total Pages []]] [12] [Joan of the Drawings for Publication of Total Pages []]] [13] [Joan of the Drawings for Publication of Total Pages []]] [14] [Joan of Declaration/POA [Total Pages []]] [15] [Joan of the Drawings for Publication of Total Pages []]] [16] [Joan of the Drawings for Publication of Total Pages []]] [17] [Joan of the Drawings for Publication of Total Pages []]] [18] [Joan of the Drawings for Publication of Total Pages []]] [19] [Joan of the Drawings for Publication of Total Pages []]] [10] [Joan of the Drawings for Publication of Total Pages []]] [11] [Joan of the Drawings for Publication of Total Pages []]] [12] [Joan of the Drawings for Publication of Total Pages []]] [10] [Joan of the Drawings for Publication of Total Pages []]] [11] [Joan of the Drawings for Publication of Total Pages []]] [12] [Joan of the Drawings for Publication of Total Pages []]] [13] [Joan of the Drawings for Publication of Total Pages []]] [14] [Joan of the Drawings for Publication of Total Pages []]] [15] [Joan of the Drawings for Publication of Total Pages []]] [16] [Joan of the Drawings for Development of Total Pages []]] [17] [Joan of Total Pages []]] [18] [Joan of the Drawings					1					c. []	Statement veri	ifving identi	ty of above copies
- Detailed Description - Claim(s) - Abstract of the Disclosure - Acton, Massachusetts Solid Assignment Papers (cover sheet & documents)			- Brief Description of the Drawings						THE PARTY OF THE P				
- Abstract of the Disclosure - Abstract of the Disclosure 3. [X] Drawing(s) (35 U.S.C. 113) [Total Sheets 10] [ACC	DMPANYING A	APPLICAT	ION PARTS
3. [X] Drawing(s) (35 U.S.C. 113) [Total Sheets 10] [Flormal [X Informal [X Fig. of the Drawings for Publication [1] [Samular [X Fig. of the Drawings for Publication [1] [Samular [X Fig. of the Drawings for Publication [1] [Samular [X Fig. of the Drawings for Publication [1] [Samular [X Fig. of the Drawings for Publication [1] [Samular [X Fig. of the Drawings for Publication [1] [Samular [X Fig. of the Drawings for Publication [X Fig. of Albita [X Fig. o	1.11 H.B							8.			e - General Diele	ectric, Inc.	ocuments)
[X] Fig. of the Drawings for Publication [1] 9. [] 37 C.F.R. 3.73(b) Statement [] Power of Attorney (when there is an assignee) 4. [] Oath or Declaration/POA [Total Pages []] 10. [] English Translation Document (if applicable) 5. [] Copy from a prior application (37 C.F.R. 1.63(d)) (for continuation/divisional with Box 17 completed) [INOTE Box 5 below] 11. [] Information Disclosure [] Copies of IDS Statement (IDS)/PTO-1449 [] Copies of IDS (Citations Statement) [] Preliminary Amendment [] Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). [] Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). [] Small Entity [] Statement filed in prior application, status still proper and desired [] Statement(s) attached to the prior application, status still proper and desired [] Certified Copy of Priority Document(s) (if foreign priority is claimed) [] Certified Copy of Priority Document(s) (if foreign priority is claimed) [] Continuation and is hereby incorporated by reference therein. [] Other: 18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: [] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: Group Art Unit: 19. CORRESPONDENCE ADDRESS NAME HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive [] Capple 02421-4799	ţţ	3. [X]	Drawing(s	s) (35 U.S.C. 113) [T	otal S	Sheets 10	ı				,		
(when there is an assignee) 4. [] Oath or Declaration/POA [Total Pages []] a. [] Newly executed (original or copy) b. [] Copy from a prior application (37 C.F.R. 1.63(d)) (for continuation/divisional with Box 17 completed) [NOTE Box 5 below] i. [] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(S) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the disclosure of the accompanying application and is hereby incorporated by reference therein. 18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: [] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: 19. CORRESPONDENCE ADDRESS NAME THOMAS O. HOOVER HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive Citations 11. [] Information Disclosure [] Copies of IDS Statement (IDS)/PTO-1449 12. [] Preliminary Amendment [1] Capplication (MPEP 503) (Should be specifically itemized) 13. [X] Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 14. [] Small Entity [] Statement (illos) (Should be specifically itemized) 15. [] Certified Copy of Priority Document(s) (If foreign priority is claimed) 16. [] Nonpublication Request (check parent application) 17. [] Other: 18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: [] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: Prior application information: 19. CORRESPONDENC		1	[] Forr	nal [X] Informal		_	ı	•		27.0.51	2 72 (1) (1)		D CA.,
4. [] Oath or Declaration/POA [Total Pages []] a. [] Newly executed (original or copy) b. [] Copy from a prior application (37 C.F.R. 1.63(d)) b. [] Copy from a prior application (37 C.F.R. 1.63(d)) for continuation/divisional with Box 17 completed) [NOTE Box 5 below] i. [] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application is supplied under Box 4b, is copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. 18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: [] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: 19. CORRESPONDENCE ADDRESS TWO Militia Drive City Lexington STATE MA ZIP CODE 02421-4799	11 11		[X]Fig.	of the Drawings for F	ublica	ition [1]		9.	[]	(when the	k. 3.73(b) Statei ere is an assignee)	ment []	Power of Attorney
a. [] Newly executed (original or copy) b. [] Copy from a prior application (37 C.F.R. 1.63(d))	===		Oath or D	eclaration/POA [To	otal P	ages []]	10.	[]	English 7	Translation Doc	ument (if ap	pplicable)
application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. 18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: [] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: Group Art Unit: 19. CORRESPONDENCE ADDRESS NAME THOMAS O. HOOVER HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive CITY Lexington STATE MA ZIP CODE 02421-4799			a. []	Newly executed (origin	nal or	сору)		11.	[]	Informat Statemen	ion Disclosure nt (IDS)/PTO-14	[]	
application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. 18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: [] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: Group Art Unit: 19. CORRESPONDENCE ADDRESS NAME THOMAS O. HOOVER HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive CITY Lexington STATE MA ZIP CODE 02421-4799	11. 11 11. 11.		(for continuation/divisional		ıal with	h Box 17 comple		12.	[]	Prelimin	ary Amendment		,
application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] Incorporation By Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. 18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: [] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: Group Art Unit: 19. CORRESPONDENCE ADDRESS NAME THOMAS O. HOOVER HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive CITY Lexington STATE MA ZIP CODE 02421-4799	11.11 15.11 11.11 15.11		Signed statement attached deleting				13.	[X]	Return R (Should l	Leceipt Postcard be specifically in	(MPEP 503 temized)	3)	
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. 18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: [] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: Group Art Unit: 19. CORRESPONDENCE ADDRESS NAME THOMAS O. HOOVER HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive CITY Lexington STATE MA ZIP CODE 02421-4799	dia di			application, se			2)	14.	[]	Small En Statemen	ntity [] Sint(s) st	tatement file atus still pro	ed in prior application, oper and desired
copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. 18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: [] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: Group Art Unit: 19. CORRESPONDENCE ADDRESS NAME THOMAS O. HOOVER HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive CITY Lexington STATE MA ZIP CODE 02421-4799		5. []						15.	[]	Certified	Copy of Priority	y Documen	t(s)
17. [] Other: 18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: [] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: Group Art Unit: 19. CORRESPONDENCE ADDRESS THOMAS O. HOOVER HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive CITY Lexington STATE MA ZIP CODE 02421-4799			copy of the	oath or declaration is su	pplied	under Box 4b, is	,	16.	٢1		•	-	ent application)
[] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: Group Art Unit: 19. CORRESPONDENCE ADDRESS NAME THOMAS O. HOOVER HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive CITY Lexington STATE MA ZIP CODE 02421-4799													
[] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: Group Art Unit: 19. CORRESPONDENCE ADDRESS NAME THOMAS O. HOOVER HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive CITY Lexington STATE MA ZIP CODE 02421-4799													
Prior application information: Examiner: Group Art Unit: 19. CORRESPONDENCE ADDRESS NAME THOMAS O. HOOVER HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive CITY Lexington STATE MA ZIP CODE 02421-4799		18.											
19. CORRESPONDENCE ADDRESS NAME THOMAS O. HOOVER HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive CITY Lexington STATE MA ZIP CODE 02421-4799							ntinu	atior	ı-ın-p	art (CIP)			:
NAME THOMAS O. HOOVER HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive CITY Lexington STATE MA ZIP CODE 02421-4799		l l	Prior applic	ation information:	Exam	iner:					Group Art U	Jnit:	
HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS Two Militia Drive CITY Lexington STATE MA ZIP CODE 02421-4799				TUOMAGG	001/-		SPO	NDI	NC	ADDRE	ESS		
ADDRESS Two Militia Drive CITY Lexington STATE MA ZIP CODE 02421-4799		NAME					EVNIČ	<u> </u>	<u> </u>		<u>.</u>		
CITY Lexington STATE MA ZIP CODE 02421-4799									o, P.	<u>. </u>			
											MA 7IP CODE 102421 4700		
			RY		TEI				51-62	240		ł	

Signature	Thomas Hooven	Date	April 12, 2001
Submitted by Typed or Printed Name	Thomas O. Hoover	Reg. Number	32,470